



264189

DOWNERS GROVE SANITARY DISTRICT

Discharge Permit Number 2

Issuance Date: October 15, 2000

Expiration Date: October 15, 2005

Permittee Name: Tricon Industries, Inc.

Permittee Address: 1600 Eisenhower Lane
Lisle, Illinois 60532

Name of Premise Permitted: Tricon Industries, Inc.

Location of Permitted Premise: 2325 Wisconsin Avenue
Downers Grove, Illinois 60515

In accordance with the provisions of Article II(A), Section 4 of the District's Sewer Use Ordinance, the above designated Permittee is hereby authorized to discharge industrial wastewater from the above facility and through the discharge lines identified herein, into the sanitary sewer system of the Downers Grove Sanitary District subject to said Permittee's compliance with applicable pretreatment standards, District Ordinances, and the terms and conditions of this permit. The Permittee is not authorized to discharge wastewater to the District except by permit. Compliance with this permit does not relieve the Permittee of its obligations to comply with any and all applicable pretreatment regulations, standards, or requirements under local, state, or Federal laws, including any such regulations, standards, requirements, or laws that become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the Downers Grove Sanitary District's Sewer Use Ordinance.

The Permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The Permittee shall submit to the District such information, forms and fees as are required in accordance with Article II(A), Section 4.5, as application for permit renewal, a minimum of ninety (90) days prior to the expiration date.

Downers Grove Sanitary District

By: Lawrence C. Cox
Lawrence C. Cox, District General Manager

I. Description of the Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electromechanical switches and connectors used in the production of automotive, communications, and household equipment. Operations on site include a captive electroplating operation and associated cleaning and finishing operations. These process operations are governed by the federal categorical regulations for the metal finishing industry, 40 CFR Part 433.

Rinsewater from the plating and finishing areas are pretreated prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorination process for cyanide destruction in cyanide bearing wastestreams, and final pH adjustment.

Metallic contaminants are controlled through filtration on vibratory finishing equipment and by operator control of the plated materials rinse location. Although there is a settling tank, no polymeric precipitation is provided to remove the metallic hydroxides.

Plating solutions and rinsewaters with higher concentrations of metals are prohibited from discharge to this system, whether by accidental or deliberate means.

The wastewater discharged from this facility consists of: 1) pretreated plating/finishing discharge, estimated at 6,500 gallons per day, and 2) sanitary wastewater, estimated at 10,000 gallons per day.

The point of discharge to the District's sanitary sewer system is at District Manhole Number II-A-54. Three sampling points are specified in this permit, identified as 001-A, 001-B, and 001-C. The locations for these sampling points are as follows:

- 001-A This is the discharge from the plating/finishing department, at the inspection tank and represents the pretreated wastewater flow. This sampling point shall be used for all monitoring to establish compliance with the limits on metals and TTO parameters in Sections II(A) and (B) of this permit.
- 001-B The discharge from the cyanide destruction pit in the plating area, prior to mixing with any other wastestream. Samples to monitor for compliance with the cyanide limit in Section II(A) shall be collected from this tank.
- 001-C This sampling point is the inspection manhole at the front of the building and represents the total flow from the facility. This location will be used when conducting sampling to evaluate compliance with the specific local limits in Section II(C) of the permit.

For the purposes of self-monitoring for compliance with this permit the Permittee shall not sample at any other location without prior notice and authorization from the District.

II. Discharge Limitations

- A. During the effective period of this permit, the discharge from the plating/finishing department shall not exceed an average daily flow of 8,500 gallons per day and shall not exceed the following limitations:

<u>Pollutant</u>	<u>Maximum Daily Concentration (mg/L)</u>	<u>Maximum Monthly Average (mg/L)</u>
Cadmium (total)	0.11	0.07
Chromium (total)	2.77	1.71
Copper (total)	3.38	2.07
Lead (total)	0.69	0.43
Nickel (total)	3.98	2.38
Silver (total)	0.43	0.24
Zinc (total)	2.61	1.48
Cyanide, (amenable)	0.86	0.32
Cyanide, (total)	1.2	0.65
pH	6.0 – 9.0	6.0 – 9.0

- B. Total toxic organics (TTO) are defined as the summation of all quantifiable values greater than 0.01 mg/L for the specified organics in the Metal Finishing regulations, 40 CFR Part 433. The TTO limit is specified as:

<u>Pollutant</u>	<u>Daily Maximum</u>	<u>Maximum Monthly Avg.</u>
TTO	2.13 mg/L	-

- C. The combined sanitary and process flows from this facility to the sanitary sewer system shall not exceed the following specific limitations at Manhole-001-C, based on a twenty-four hour composite:

<u>Pollutant</u>	<u>Limit</u>	<u>Pollutant</u>	<u>Limit</u>
Arsenic, Total	0.52 mg/L	Lead, Total	2.15 mg/L
Cadmium, Total	0.28 mg/L	Mercury, Total	0.033 mg/L
Chromium, Total	14.0 mg/L	Nickel, Total	4.27 mg/L
Chromium, Hexavalent	0.81 mg/L	Selenium, Total	0.43 mg/L
Copper, Total	2.54 mg/L	Silver, Total	0.57 mg/L
Cyanide, Total	1.34 mg/L	Zinc, Total	2.61 mg/L

pH shall be in the range of 5.5 – 9.0 Standard Units, for any grab sample.

- D. Any sludge produced in the plating/finishing department or pretreatment system shall be disposed of in an approved landfill or by other approved methods.
- E. All discharges from this facility shall be in compliance with the ordinances of the District, the statutes of the State of Illinois, and the regulations of the U.S. Environmental Protection Agency and the Illinois Environmental Protection Agency.
- F. The discharge from this facility shall not produce any adverse effects on the District's sewer service that would endanger worker health and safety, private or public property, the public health, the integrity of the receiving stream, and/or processes of the District's Wastewater Treatment Center.

III. Self-Monitoring and Reporting Requirements

- A. The Permittee shall sample and analyze wastewater at the specific locations and for the parameters, frequencies and sample types specified herein:

<u>Parameter</u>	<u>Location</u>	<u>Frequency</u>	<u>Sample Type</u>
Flow	Plating/Finishing Dept. Water Meters	Daily	-
pH	001-A	3 Days/Mo.	One Grab
Copper (T)	001-A	3 Days/Mo.	One Continuous
Nickel (T)	"	"	Composite
Silver (T)	"	"	"
Zinc (T)	"	"	"
Cyanide (T)	001-B	3 Days/Mo.	One Grab

Cyanide samples shall be collected only when cyanide destruction pit is operating.

All samples shall be preserved at the time of collection and shall be representative of the volume and nature of the discharge.

- B. The Permittee shall report to the District on a quarterly basis the results from the monitoring described in Section III(A). These self-monitoring reports shall be submitted by the twentieth day of the month following the end of the previous calendar quarter and shall include the monitoring results, flow measurements and the following information and certification statements:
 - 1. The volume of chemical sludge disposed of during the month, the name of the hauler and ultimate destination of the waste.

2. The report shall be signed by an Authorized Representative of the permitted industrial user, or a duly authorized agent and shall include the following certification statement:

“I have personally examined and am familiar with the information submitted in the attached document and I hereby certify under penalty of law that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.”

3. When analyses are performed by an outside laboratory, the name, address and telephone number for the lab shall be included in the report.
4. A description of any spills of materials that are prohibited from discharge to the sanitary sewer system, including any of the materials covered by the industrial spill prevention, containment and control (SPCC) plan. If no spill occurred, the following certification shall be included in the report:

“Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.”

- C. If the Permittee analyzes any parameters listed in Sections II (A) through (C) at a frequency greater than is specified, using methods described in 40 CFR Part 136 or other approved methods, then the Permittee shall report all these results to the District in the self-monitoring report.
- D. Every six-months, the Permittee shall collect one manual composite sample at sampling location 001-A, the pretreated plating/finishing discharge, and have it analyzed for all the metal pollutant parameters in Section II(A). A grab sample shall be taken during the composite period at 001-B and it shall be analyzed for total cyanide. The results from these analyses shall be reported with the next self-monitoring report.
- E. The Permittee shall notify the District by telephone within 24 hours of the Permittee being informed by a laboratory doing analytical work for self-monitoring that a sample exceeded a permit limit. Resampling shall then be scheduled to allow for follow-up sampling within thirty (30) days of the violation to determine if the discharge has returned to compliance.
- F. On request by the District, the Permittee shall provide the District with splits on samples collected by the Permittee for self-monitoring purposes.

- G. The Permittee shall notify the District immediately by telephone upon any accidental or slug discharge to the District's system. The Permittee shall follow-up with a written report within five (5) days of the incident, fully describing what occurred, who was notified, how the spill was cleaned up and disposed of and what measures are being taken to prevent a reoccurrence. By ordinance, a slug is defined for a permit limited pollutant as a concentration five (5) times or more the stated limit, or a pollutant that is discharged at a concentration that could either interfere with the treatment process or would pass through to the receiving stream.
- H. When a compliance schedule has been included as part of the permit, or amended to it, a Pretreatment Compliance Schedule Progress Report shall be submitted to the District no later than fourteen (14) days after the scheduled date of each increment of progress. At a minimum, these reports shall include whether the increment of progress has been complied with, and if not, the date the Permittee expects to comply with the increment of progress and the steps being taken to return to the established schedule.
- I. All measurements, tests and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto, or with other test procedures approved by the USEPA Administrator. Sampling shall be performed in accordance with the techniques approved by the USEPA Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question, or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutants in question, sampling and analyses shall be performed using validated analytical methods or any sampling and analytical techniques approved by the USEPA Administrator.

IV. Permit Compliance

- A. The Permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, subparagraphs A through F.
- B. In the event the Permittee does not comply with the conditions of this permit, the District General Manager shall notify the Permittee in writing of the specific violation of this permit. The Permittee shall be given ten (10) working days from the receipt of aforementioned notification to respond to the District in writing, detailing steps taken or to be taken by the Permittee to prevent a reoccurrence of the cited violation. In the event the District General Manager determines that the Permittee's action will not prevent a reoccurrence of a violation of this permit, the General Manager will notify the Permittee in writing of the measures and/or devices that the Permittee must institute to comply with the conditions of the permit, and the time period in which said measures and/or

devices must be implemented. The above provisions are in addition to, not in lieu of any other enforcement remedies available to the District.

- C. The permit shall be revoked due to any falsification or intentional misrepresentation by the Permittee of any data or information required under this permit.
- D. Penalties for failure to comply with the terms and conditions of this permit, or orders issued hereunder shall include fines of at least \$100 but no more than \$1000 per day per violation. The District may seek to recover court costs and costs of monitoring and analyses caused by such violations and the costs of any actual damage incurred by the District.

V. General Conditions

- A. All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from this facility is expected to materially and substantially change, the Permittee shall give sixty (60) day notice in writing to the District and shall make new application to the District prior to said change. The Permittee shall not materially or substantially change the type, quality or volume of its wastewaters beyond that allowed by this permit, without prior approval from the District.
- B. The Permittee shall allow representatives of the Downers Grove Sanitary District, upon presentation of credentials, ready access at all reasonable times to all parts of the Permittee's premises for the purposes of inspection, sampling, records examination, or other tasks necessary to monitor and insure compliance by the Permittee with the terms and conditions of this permit. The Permittee hereby licenses the District the right to use the existing roadway, parking lot, and surface areas of the Permittee's facility for the purpose of collecting samples, and making inspections of the wastewater discharges to the District's system.
- C. All monitoring reports required under this permit shall be available for public inspection at District offices.
- D. The Permittee shall retain for a minimum of three (3) years, and afford the District access to, any and all records of monitoring activities and results related to wastewater discharges from the subject facility.
- E. This permit is issued to the named Permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.

- F. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal or local laws.
- G. The Permittee shall not increase the use of potable or process water, or in any way attempt to dilute a wastestream as a partial or complete substitution for adequate treatment in order to achieve compliance with the limitations contained herein.
- H. In the event a court of competent jurisdiction determines that any portion of this permit is invalid, such a determination shall not affect the validity of the remaining portions of this permit.

VI. Term of the Permit

The term of this permit shall be from the issuance date to the stated expiration date. Provided, however, that the permit is contingent upon the issuance of an NPDES Permit to the District. Provided further that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit, prior to its anticipated expiration date, the District may amend this permit upon thirty (30) day written notice to the Permittee.

DOWNERS GROVE SANITARY DISTRICT
REPORTING SUMMARY

<u>Item</u>	<u>Due at DGSD</u>
1. Quarterly Self-monitoring Reports	By the twentieth day of the month following the calendar quarter (i.e., April, July, October, and January).
2. Notice of Permit Excursion	Within 24 hours of receiving notice from the analytical lab, telephone notice must be given to the District of the violation, and resampling scheduled within 30 days to determine compliance status. Failure to provide notice within 24 hours is "failure to accurately report" and is (SNC) Significant Noncompliance.
3. Spill or Slug Reports	Notify the District immediately by phone, explain that a spill or slug has entered the sewer. A written report must be submitted within five (5) days of the incident.
4. Process or Flow Change Reports	Submitted to and received by the District sixty (60) calendar days prior to implementing the changes, at which time re-application shall be made for the Industrial Discharge permit.
5. Compliance Reports	When a compliance schedule has been amended to a permit, the Permittee shall submit periodic compliance reports to the District within fourteen (14) days of each increment of progress in the schedule and at the final compliance date of the schedule.
6. Permit Renewal Application	Submitted to and received by DGSD ninety (90) days prior to the current permit's expiration date.

All reports should be mailed to:

DOWNERS GROVE SANITARY DISTRICT
ATTN: Janet Buchner
2710 Curtiss Street
Downers Grove, Illinois 60515